

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	851	428/827-829.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2011/08/08 12:39
L3	180	L2 and (non \$1granular, continuous) with layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2011/08/08 12:39
L4	17402	magnetic adj recording. clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/08 12:40
L5	3865	L4 and perpendicular. clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/08 12:40
L6	1240	L5 and (granular, oxide) with magnetic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/08 12:40
L7	320	L6 and (silica, Si, SiO \$1).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/08 12:40
L8	161	L7 and (soft, sul).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/08 12:40
L9	2	L8 and ((SiO\$1, silica) with "%").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/08/08 12:40

S1	21	("6468670")	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:02
S2	21	S1 and perpendicular	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:02
S3	4	S2 and ferromagnetic adj layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:41
S4	2	S3 and oxide	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:03
S5	2	S4 and cobalt	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:03
S6	4442	perpendicular adj magnetic adj recording	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:42
S7	1187	S6 and ferromagnetic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:42
S8	291	S7 and granular	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:42
S9	242	S8 and oxide	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:43
S10	126	S9 and cobalt and alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:43
S11	0	S10 and Pt,Pd	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:44
S12	100	S10 and Pt	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:44
S13	28	S12 and (atomic or at) adj ("% or percent\$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:45
S14	23	S13 and grain	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:46
S15	17	S14 and boundary	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:46
S16	8	S15 and spacer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:46

S17	8	S16 and (argon or Ar)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:47
S18	8	S17 and pressure	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2007/08/06 09:48
S19	1	(US-20030017364-\$). did.	US-PGPUB	OR	ON	2007/08/06 10:06
S20	0	(US-20030017364-\$). did. and granular with method	US-PGPUB	OR	ON	2007/08/06 10:06
S21	0	(US-20030017364-\$). did. and granular same method	US-PGPUB	OR	ON	2007/08/06 10:06
S22	1	(US-20030017364-\$). did. and granular and method	US-PGPUB	OR	ON	2007/08/06 10:52
S23	123	Sonobe.in.	US-PGPUB	OR	ON	2007/08/06 10:53
S24	4	S23 and magnetic adj recording	US-PGPUB	OR	ON	2007/08/06 10:53
S25	2	"20020012816"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:17
S26	2	"20010051287"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:17
S27	8	"6830824"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:18
S28	3	"6627310"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:18
S29	14	S25 S26 S27 S28	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:20
S30	5	S29 and granular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:46
S31	4	S30 and (CoCrPt, CoPt, CoPd, FePt, CoPt, and CoPd)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:47
S32	3	S31 and oxide with (silicon, Si)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:47
S33	3	S32 and (Pt, Pd)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:48

S34	3	S32 and (Pd)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/20 22:48
S35	1	"10576755"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/10 09:46
S36	1	(US-6830824-\$).did.	USPAT	OR	ON	2009/04/10 11:06
S37	1	S36 and co with cr with pt	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/10 11:06
S38	1	S36 and (Co with Cr with Pt, Co with Pt, Co with Pd, Fe with Pt, Co with Pt, and Co with Pd)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/04/10 11:12
S39	5935	perpendicular adj magnetic adj recording	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S40	1723	S39 and ferromagnetic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S41	434	S40 and granular	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S42	362	S41 and oxide	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S43	193	S42 and cobalt and alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S44	150	S43 and Pt	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S45	50	S44 and (atomic or at) adj ("% " or percent\$3)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:38
S46	41	S45 and grain	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:39
S47	33	S46 and boundary	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:39
S48	12	S47 and spacer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:39
S49	11	S48 and (argon or Ar)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/04/10 12:39

S50	1	"10576755"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 12:51
S51	737	428/827-829.ccls.	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:00
S52	146	S51 and (non \$1granular, continuous) with layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:01
S53	114	S52 and (amorphous, crystalline)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:01
S54	7	S53 and multiple with soft	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:02
S55	2	"20040058197"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:03
S56	0	S55 and substate with "fig. 3"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:20
S57	0	S55 and substate	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:20
S58	2	S55 and substrate	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:20
S59	1	S55 and granular with Co	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:46
S60	1	S55 and granular	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:47
S61	35	"6468670"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:48
S62	4	S54 and atomic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:51
S63	0	S54 and grain with size with "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:53
S64	0	S54 and grain with size same "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:53
S65	2	S54 and grain with size and "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:54

S66	0	S54 and Si with "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:55
S67	0	S54 and Si same "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:55
S68	0	S54 and "SiO.sub.2" same "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:56
S69	16	S53 and "SiO.sub.2" same "%"	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:56
S70	7	S53 and "SiO.sub.2" same "%" not mol	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 15:57
S71	2	S53 and "SiO.sub.2" with "%" not mol	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:00
S72	2	S52 and "SiO.sub.2" with "%" not mol	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:00
S73	26	S51 and "SiO.sub.2" with "%" not mol	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:01
S74	16	S73 and granular	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:01
S75	6	S51 and (granular same "SiO.sub.2" with "% " not mol)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:01
S76	71	(granular same "SiO. sub.2" with "% " not mol)	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:05
S77	12	S76 and (non \$1granular, continuous) with layer	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2009/11/02 16:05
S78	2	"6468670".pn.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:38
S79	1	S78 and Pt with layer	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/11/02 16:39
S80	1	"10576755"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/12/28 15:39

S81	1	S80 and "6" with "%"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/12/28 15:42
S82	1	(US-20030017364-\$). did. and granular and method	US-PGPUB	OR	ON	2010/12/28 17:13
S83	7650	perpendicular adj magnetic adj recording	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2010/12/28 17:13
S84	2342	S83 and ferromagnetic	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2010/12/28 17:13
S85	665	S84 and granular	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2010/12/28 17:13
S86	569	S85 and oxide	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2010/12/28 17:13
S87	285	S86 and cobalt and alloy	US-PGPUB; USPAT; JPO; DERWENT	OR	ON	2010/12/28 17:13
S88	2	"20020012816"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S89	2	"20010051287"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S90	21	"6830824"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S91	3	"6627310"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S92	27	S88 S89 S90 S91	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S93	14	S92 and granular	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S94	13	S93 and (CoCrPt, CoPt, CoPd, FePt, CoPt, and CoPd)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:13
S95	0	S81 and S94	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/28 17:14

S96	1	"10576755"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2010/12/29 08:33
S97	17069	magnetic adj recording. clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 08:54
S98	3725	S97 and perpendicular. clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 08:54
S99	1184	S98 and (granular, oxide) with magnetic	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 08:55
S100	309	S99 and (silica, Si, SiO \$1).clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 08:56
S101	153	S100 and (soft, sul). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 08:57
S102	0	S101 and (SiO\$1, silica) with atom\$2. clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 09:00
S103	0	S101 and ((SiO\$1, silica) with atom\$2). clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 09:00
S104	2	S101 and ((SiO\$1, silica) with "%").clm.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2011/03/15 09:01



S105	7	"7470474"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2011/03/15 12:05
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**EAST Search History (Interference)**

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